



2019

AIRCRAFT SURVIVABILITY SYMPOSIUM

Evolving Today's Force to Dominate Tomorrow's Threat

November 5 – 7 | Monterey, CA | [NDIA.org/Aircraft19](https://ndia.org/Aircraft19)



WHO WE ARE

The National Defense Industrial Association is the trusted leader in defense and national security associations. As a 501(c)(3) corporate and individual membership association, NDIA engages thoughtful and innovative leaders to exchange ideas, information, and capabilities that lead to the development of the best policies, practices, products, and technologies to ensure the safety and security of our nation. NDIA's membership embodies the full spectrum of corporate, government, academic, and individual stakeholders who form a vigorous, responsive, and collaborative community in support of defense and national security. NDIA is proud to celebrate 100 years in support of our warfighters and national security. The technology used by today's modern warfighter was unimaginable 100 years ago. In 1919, BG Benedict Crowell's vision of a collaborative team working at the intersection of science, industry, government and defense began what was to become the National Defense Industrial Association. For the past century, NDIA and its predecessor organizations have been at the heart of the mission by dedicating their time, expertise and energy to ensuring our warfighters have the best training, equipment and support. For more information visit [NDIA.org](https://www.ndia.org)



COMBAT SURVIVABILITY DIVISION

WHO WE ARE

NDIA's Combat Survivability Division addresses all aspects of susceptibility reduction (probability of hit), vulnerability reduction (consequences of hit) and the overall survivability discipline, including countermeasures, signature reduction, tactics and training, camouflage, concealment and deception, as well as damage resistance, damage tolerance and combat damage repair. The division also focuses on the transfer of information and technology between the military survivability and civil aviation communities to improve flight safety and to mitigate the effects of terrorist acts.

LEADERSHIP AND COMMITTEES

Barry Vincent

Symposium Chair

Dr. Mark Couch

Vice Chair

Robert Gierard

Awards Committee Chair

Amy Howell

Secretary

Ron Dexter

Poster Chair

Gary Wollenweber

Tutorial Chair

TABLE OF CONTENTS

| | | | |
|---------------------------|---|--------------------------------|----|
| WHO WE ARE | 2 | POSTER PRESENTERS & DISPLAYS . | 5 |
| SCHEDULE AT A GLANCE..... | 3 | TUTORIALS | 13 |
| EVENT INFORMATION | 4 | BIOGRAPHIES..... | 12 |
| AGENDA | 5 | VENUE MAP | 14 |

SCHEDULE AT A GLANCE

TUESDAY, NOVEMBER 5

OPTIONAL TUTORIAL SESSIONS

Naval Postgraduate School
Ingersoll Hall
8:00 am – 5:00 pm

NETWORKING RECEPTION

Hyatt Regency Monterey
Spyglass 1 & 2
6:00 – 7:30 pm

WEDNESDAY, NOVEMBER 6

SYMPOSIUM DAY 1

Naval Postgraduate School
King Hall
8:00 am – 3:35 pm

AWARD CELEBRATION SOCIAL EVENT

A Taste of Monterey
4:30 – 7:00 pm

THURSDAY, NOVEMBER 7

SYMPOSIUM DAY 2

Naval Postgraduate School
King Hall
8:00 am – 4:00 pm

AWARDS PRESENTATION AND LUNCHEON

Naval Postgraduate School
Herrmann Hall
11:20 am – 1:20 pm

THANK YOU TO OUR SPONSOR



AVX/L3Harris

EVENT INFORMATION

LOCATIONS

Naval Postgraduate School
1 University Circle
Monterey, CA 93943

Hyatt Regency Monterey
1 Old Golf Course Road
Monterey, CA 93940

A Taste of Monterey
700 Cannery Row, Ste. KK
Monterey, CA 93940

SURVEY AND PARTICIPANT LIST

You will receive via email a survey and list of attendees (name and organization) after the conference. Please complete the survey, which helps make our event even more successful in the future.

EVENT CONTACTS

Jessica Lewton
Meeting Planner
jlewton@NDIA.org

Tatiana Jackson
Program Manager, Divisions
tjackson@NDIA.org

PLANNING COMMITTEE

Barry Vincent
Symposium Chair

Robert Gierard
Awards Chair

Ron Dexter
Poster Chair

Dr. Mark Couch
Symposium Vice Chair

Jack Rau
Session Chair

Gary Wollenweber
Tutorial Chair

Chris Adams
Symposium Planning

Amy Howell
Secretary/Session Chair

Andrew Smith
Session Chair

Ken McKenzie
Session Chair

SPEAKER GIFTS

In lieu of speaker gifts, a donation is being made to the Fisher House Foundation.

HARASSMENT STATEMENT

NDIA is committed to providing a professional environment free from physical, psychological and verbal harassment. NDIA will not tolerate harassment of any kind, including but not limited to harassment based on ethnicity, religion, disability, physical appearance, gender, or sexual orientation. This policy applies to all participants and attendees at NDIA conferences, meetings and events. Harassment includes offensive gestures and verbal comments, deliberate intimidation, stalking, following, inappropriate photography and recording, sustained disruption of talks or other events, inappropriate physical contact, and unwelcome attention. Participants requested to cease harassing behavior are expected to comply immediately, and failure will serve as grounds for revoking access to the NDIA event.

ANTI-TRUST STATEMENT

The NDIA has a policy of strict compliance with federal and state antitrust laws. The antitrust laws prohibit competitors from engaging in actions that could result in an unreasonable restraint of trade. Consequently, NDIA members must avoid discussing certain topics when they are together at formal association membership, board, committee, and other meetings and in informal contacts with other industry members: prices, fees, rates, profit margins, or other terms or conditions of sale (including allowances, credit terms, and warranties); allocation of markets or customers or division of territories; or refusals to deal with or boycotts of suppliers, customers or other third parties, or topics that may lead participants not to deal with a particular supplier, customer or third party.

POSTER PRESENTERS & DISPLAYS



Balancing Performance, Scheduling, and Cost for Rapid Prototyping, Experimentation, and Demonstration Programs Using M&S

Justin Woulfe
Systecon

Reticulated Foam and Its Impact on Fuel Tank Vulnerability

Alexander Moran
704th Test Group

CENA Probe System for Improved Tier 1 Inspection on Low Observable Aircraft

Dr. Daniel Faircloth
IERUS Technologies

Highly Accurate Coating Thickness Measurement for Weapon System Survivability

Dr. Bryan Foos
AFRL/RXCA

Toward Rapid and Accurate Tier II Inspection Using the Open System Configurable Architecture Radar (OSCAR)

Dr. Daniel Faircloth
IERUS Technologies

High Energy Laser M&S Development for Blue System Survivability (MSAS)

Ron Dexter
SURVICE

Aircraft Survivability Against High Power Radio Frequency/ Microwave Directed Energy Weapons

John Tatum
SURVICE

Display: Joint Aircraft Survivability Programs

Dennis Lindell
JASP

Display: Defense Systems Information Analysis Center

Michael Schuck
SURVICE

Display: title title

Jim Tully
L3

Display: NAWCWD Weapons Survivability Lab

Ray Hocker
NAWCWD 4.1.8

Cyber Combat: A New Threat to Aircraft Survivability

Austin Weinman
Student, Naval Postgraduate School

AGENDA

THIS EVENT IS CLASSIFIED AS SECRET//NOFORN

TUESDAY, NOVEMBER 5 – OPTIONAL TUTORIAL DAY

7:00 am – 5:00 pm **REGISTRATION OPEN**
INGERSOLL HALL FOYER

7:00 – 8:00 am **CONTINENTAL BREAKFAST**
INGERSOLL HALL FOYER

8:00 – 8:15 am **WELCOME REMARKS**
INGERSOLL HALL

Gary Wollenweber
IR Consulting Engineer, GE Aviation
Tutorial Chair, Combat Survivability Division

| | |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8:15 – 9:45 am | FUNDAMENTALS OF AIRCRAFT COMBAT SURVIVABILITY INGERSOLL HALL Mr. Chris Adams Title, Naval Postgraduate School Dr. Mark Couch Research Staff Member, Institute of Defense Analysis, Vice Chair, Combat Survivability Division |
| 9:45 – 10:15 am | NETWORKING BREAK INGERSOLL HALL FOYER |
| 10:15 – 11:30 am | FUNDAMENTALS OF AIRCRAFT COMBAT SURVIVABILITY CON'T INGERSOLL HALL |
| 11:30 – 1:00 pm | LUNCH ON OWN |
| 1:00 - 1:15 pm | WELCOME REMARKS INGERSOLL HALL Gary Wollenweber IR Consulting Engineer, GE Aviation Tutorial Chair, Combat Survivability Division |
| 1:15 – 2:45 pm | WEAPON SYSTEM AND PLATFORM CYBERSECURITY FUNDAMENTALS INGERSOLL HALL Dr. Bill “Data” Bryant Systems Security Engineer, Modern Technology Solutions, Inc. Dr. William “Dollar” Young, Jr. Title, SCASD Consulting |
| 2:45 – 3:15 pm | NETWORKING BREAK INGERSOLL HALL FOYER |
| 3:15 – 5:00 pm | AIR VEHICLE SYSTEMS CYBER VULNERABILITY CON'T INGERSOLL HALL Dr. Bill “Data” Bryant Systems Security Engineer, Modern Technology Solutions, Inc. |
| 6:00 – 7:30 pm | NETWORKING RECEPTION HYATT REGENCY MONTEREY, SPYGLASS ROOM 1-2 |

WEDNESDAY, NOVEMBER 6

- 7:00 am – 3:35 pm** **REGISTRATION OPEN**
KING HALL FOYER
- 7:00 – 8:00 am** **CONTINENTAL BREAKFAST**
KING HALL PATIO
- 8:00 – 8:45 am** **WELCOME AND INTRODUCTORY REMARKS**
KING HALL
- Barry Vincent**
Senior Lead Engineer, Booz Allen Hamilton
Symposium Chair, Combat Survivability Division
- BG Steve Mundt, USA (Ret)**
Title, ORG
- NPS Personnel**
Title, ORG
- 8:45 – 9:30 am** **GOVERNMENT KEYNOTE ADDRESS**
KING HALL
- MG Tim Gowen, ARNG**
Deputy Commanding General, Army Futures Command
Assistant Program Executive Officer for Engineering, NAVAIR
- 9:30 am** **POSTER AND DISPLAY HALL OPEN**
KING HALL LOWER LEVEL AND PATIO
- 9:30 – 10:00 am** **NETWORKING BREAK**
KING HALL LOWER LEVEL AND PATIO

SESSION 1 – CYBER

- 10:00 – 10:10 am** **INTRODUCTION TO SESSION**
KING HALL
- Jack Rau**
Chief Analyst, Boeing Phantom Works
Session Chair, Combat Survivability Division
- 10:10 – 10:35 am** **CYBER RESILIENCY AS A KEY ELEMENT OF HOLISTIC AIRCRAFT SURVIVABILITY**
KING HALL
- Tom Barnett**
Cyber Technology Integration Lead, PEO Aviation

10:35 – 11:00 am

CYBER MODEL-BASED ENGINEERING IN AIRCRAFT SURVIVABILITY ANALYSIS

KING HALL

Ambrose Kam

Fellow, Lockheed Martin Corporation

11:00 – 11:25 am

CYBER RISK FROM THE COCKPIT TO THE MAINTAINER – PLATFORM CYBER LESSONS LEARNED

KING HALL

Dr. David Bibighaus

Principal, Booz Allen Hamilton

11:25 – 11:50 am

IMPROVING AIRCRAFT COMBAT SURVIVABILITY THROUGH CYBERSECURITY

KING HALL

Michael Overstreet

Senior Cybersecurity Manager, Cisco

11:50 am – 1:05 pm

NETWORKING LUNCH

HERRMANN HALL

1:05 – 1:15 pm

RECONVENE

KING HALL

SESSION 2 – CYBER

1:15 – 1:25 pm

INTRODUCTION TO SESSION

KING HALL

Amy Howell

Director, F-35 Development, Lockheed Martin Aeronautics
Session Chair, Secretary, Combat Survivability Division

1:25 – 1:50 pm

FOUNDATIONS OF CYBER SURVIVABLE WEAPON SYSTEMS AND MISSIONS

KING HALL

Dr. Joshua Edmision

System Architect, Northrop Grumman Corporation

1:50 – 2:15 pm

ENABLING AIRCRAFT SURVIVABILITY THROUGH VIRTUALIZATION

Will Abele

Director, Embedded Research, Star Lab Corporation

- 2:15 pm **POSTER AND DISPLAY HALL OPEN**
KING HALL LOWER LEVEL AND PATIO
- 2:15 – 2:45 pm **NETWORKING BREAK**
KING HALL LOWER LEVEL AND PATIO
- 2:45 – 3:10 pm **AIRCRAFT CYBER COMBAT SURVIVABILITY**
Dr. Bill “Data” Bryant
Systems Security Engineer, Modern Technology Solutions, Inc.
- 4:30 – 7:00 pm **NETWORKING RECEPTION AND AWARDEE CELEBRATION**
OFF-SITE LOCATION: A TASTE OF MONEREY
Additional purchase of a ticket required for all attendees and guests; may be purchased during registration process

SPONSORED BY



THURSDAY, NOVEMBER 7

- 7:00 am – 4:00 pm **REGISTRATION OPEN**
KING HALL FOYER
- 7:00 – 8:00 am **CONTINENTAL BREAKFAST**
KING HALL PATIO
- 8:00 – 8:15 am **WELCOME AND ADMINISTRATIVE REMARKS**
KING HALL
Barry Vincent
Senior Lead Engineer, Booz Allen Hamilton
Symposium Chair, Combat Survivability Division
- 8:15 – 9:00 am **INDUSTRY KEYNOTE ADDRESS**
KING HALL
Mark Wilson
Chief Operating Officer, Rolls-Royce Liberty Works

SESSION 3 – THREATS AND OPERATIONS

- 9:00 – 9:10 am **INTRODUCTION TO SESSION**
KING HALL
Andrew Smith
Director, Survivability Technologies, Rolls-Royce North American Technologies, Inc.
Session Chair, Combat Survivability Division

| | | |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| 9:10 – 9:35 am | MODERN RADAR-GUIDED SAM TRENDS KING HALL Scott Bigelow Senior Intelligence Officer, Defense Intelligence Agency/Missile and Space Intelligence Center | |
| 9:35 – 10:05 am | NETWORKING BREAK KING HALL PATIO AND LOWER LEVEL | |
| 10:05 – 10:30 am | OVERVIEW OF EMERGING THREATS AGAINST UNMANNED AND THE UNIQUE CHALLENGES WE FACE KING HALL Mike Atwood Senior Director, Advance Programs, General Atomics – Aeronautical | |
| 10:30 – 10:55 am | ANALYSIS OF NOVEL VHF SURVEILLANCE RADAR KING HALL Kevin Tibbetts Technical Staff, MIT Lincoln Laboratory | |
| 10:55 – 11:20 am | AC-130W INFRARED SUPPRESSOR IR GROUND AND FLIGHT MEASUREMENTS WITH LIBRA ANALYSIS (U) KING HALL Nicholas Metzger IRSS Technical Specialist, Rolls-Royce North American Technologies, Inc. | |
| 11:20 am – 1:20 pm | AWARDS LUNCHEON HERRMANN HALL Robert Gierard Director, Operations Analysis, Technology Innovation & Strategic Pursuits Raytheon - Space and Airborne Systems Awards Chair, Combat Survivability Division | |
| | Combat Survivability Award for Lifetime Achievement Neal Brune VP CM's, Armtec Countermeasure Company, Esterline Defense Technologies | Combat Survivability Award for Technical Achievement James Rhoads Title, Institute for Defense Analysis |
| | RADM Robert H. Gormley Combat Survivability Award for Leadership Gary Wollenweber IR Consulting Engineer, GE Aviation Tutorial Chair, Combat Survivability Division | Young Professional Award for Combat Survivability Laura Ross Title, MIT Lincoln Lab |
| 1:20 – 1:30 pm | RECONVENE KING HALL | |

SESSION 4 –SURVIVABILITY CONSIDERATIONS FOR EMERGING THREATS

1:30 – 1:40 pm

SESSION INTRODUCTION

KING HALL

Ken McKenzie

Program Manager for the OSD Strategic Capabilities Office, MTSI
Session Chair, Combat Survivability Division

1:40 – 2:05 pm

AIRCRAFT SURVIVABILITY AGAINST HIGH POWER RADIO FREQUENCY/ MICROWAVE DIRECTED ENERGY WEAPONS

KING HALL

John Tatum

Senior Electronics Engineer, SURVICE Engineering Company

2:05 – 2:30 pm

LIGHTWEIGHT MULTI-FUNCTIONAL STRUCTURAL COMPOSITE WITH INTEGRATED ELECTROMAGNETIC SHIELDING

KING HALL

Harry “Rick” Luzetsky

SME for Survivability and Composites Technology, SURVICE Engineering Company

2:30 – 3:00 pm

NETWORKING BREAK

KING HALL PATIO AND LOWER LEVEL

3:00 – 3:25 pm

PASSIVE SURVEILLANCE TESTING

KING HALL

Amy Watson

Software Developer, MIT Lincoln Laboratory

3:25 – 3:50 pm

ENHANCING U.S. 4TH GEN FIGHTERS AGAINST CURRENT THREATS

KING HALL

Sadia Hoq

Technical Staff, MIT Lincoln Laboratory

3:50 – 4:00 pm

CLOSING REMARKS

KING HALL

Barry Vincent

Senior Lead Engineer, Booz Allen Hamilton
Symposium Chair, Combat Survivability Division

4:00 pm

CONFERENCE ADJOURNS

BIOGRAPHIES



MARK WILSON

Chief Operating Officer
Rolls-Royce Liberty Works

Mark Wilson is the Chief Operating Officer (COO) for Rolls-Royce North American Technologies, Inc., (aka LibertyWorks®), having held this position since 2010. The primary mission of LibertyWorks is to create an agile, entrepreneurial team that excels at developing innovative, affordable power system solutions that enable Rolls-Royce to provide segment-leading solutions for our US Defense customers.

Mark joined Rolls-Royce in 1982 and has moved through a series of engineering leadership positions over the past 37 years. Prior to his role leading LibertyWorks, he was Chief Engineer - JSF LiftSystem®, leading the development of the Rolls-Royce LiftSystem for the F-35B through qualification for flight test. Prior to that, Mark was the Rolls-Royce Chief Engineer for the F136 engine as part of the partnership with GE, and before that he was the Chief Engineer for Defense Engines, managing the in-development and in-service engine fleet.

Mark holds a Bachelor of Science degree in Aerospace Engineering from the New York Institute of Technology. In 2010, he completed the Global 2020 Executive Leadership program from the Dartmouth College Tuck School of Business and in 2017 he completed the Columbus Leadership Program from the University of Oxford Said Business School. Mark is currently Board member of MxD (Manufacturing x Digital), one of the Manufacturing USA Institutes.



MG TIM GOWEN, ARNG

Deputy Commanding General, Army Futures Command Assistant Program Executive Officer for Engineering
NAVAIR

MG Timothy Gowen is a strategic-level leader with an impressive record of success in achieving organizational objectives for process improvement, warfighter readiness, and technological advancements. Gowen currently serves as the advisor to and representative for the Commanding General, United States Army Aviation Center of Excellence, for Army National Guard aviation matters. In this role, Gowen is responsible to provide Army National Guard considerations in the areas

of aircraft readiness, leader development, doctrine, and mission command. He monitors and provides feedback on actions of the command that impact the training, equipping, deployability, force structure and readiness of Army National Guard Aviation units and personnel.

Simultaneously Gowen, serves as the Assistant Program Executive Officer for Research, Development, Test, and Evaluation in support of United States Navy's Program Executive Office for Air Anti-Submarine

Warfare, Assault, and Special Projects. Gowen provides expertise and consultation to PEO(A) and the United States Naval Air Systems Command Research and Engineering Group on program technical matters. The PEO(A) portfolio includes ten ACAT-1 programs to include all USN and USMC helicopters and tiltrotors, maritime patrol & reconnaissance, anti-submarine warfare systems, advanced sensors, tactical airlift, and airborne strategic command, control, and communications.

TUTORIAL 1: Fundamentals of Aircraft Combat Survivability

Mr. Chris Adams

Title, Naval Postgraduate School

Dr. Mark Couch

Research Staff Member, Institute of Defense Analysis,
Vice Chair, Combat Survivability Division

This tutorial is an introduction to the aircraft combat survivability discipline. It will present history, terminology, concepts, measures, threats and threat effects, and methodology for assessing non-nuclear combat survivability analysis and design of both fixed-wing and rotary-wing aircraft. The methodologies discussed will also be applicable to unmanned air systems (UAS), missiles, ships, and ground vehicles. It is based on the AIAA textbook "The Fundamentals of Aircraft Combat Survivability Analysis and Design", 2nd

edition, by Dr. Robert Ball. Specific topics include: Overview of the Fundamentals, Historical Perspective, Survivability Assessment, Designing for Survivability, Survivability Modeling and Simulation, and Testing for Survivability. This tutorial is intended for the newcomer to the survivability discipline as an engineer, tester, maintainer or manager or first-time attendee at the Aircraft Survivability Symposium.

Mr. Christopher Adams is a lecturer at the Naval Postgraduate School's (NPS) department of Mechanical and Astronautical Engineering. He is a retired Navy Commander and the former Associate Dean of the Graduate School of Engineering and Applied Sciences at the Naval Postgraduate School in Monterey, CA having served in that position for over 3 years. Mr. Adams has had

numerous tours flying F-14 Tomcats, and EA-6B Prowlers for the Navy. Mr. Adams regularly teaches the three day Aircraft Combat Survivability Short Course. Mr. Adams has a M.S. in Aerospace Engineering from the Naval Postgraduate School.

Dr. Mark Couch completed three operational tours with Helicopter Mine Countermeasures Squadrons accumulating 1500 flight hours in the RH-53D and MH-53E aircraft with 300 hours under tow conducting mine countermeasures operations. He received a Doctorate in Aeronautical and Astronautical Engineering in 2003 from the Naval Postgraduate School while serving as a faculty member in the Department of Aeronautics and Astronautics. He currently assesses Aircraft Survivability features and performance in his role at IDA.

TUTORIAL 2: Weapon Systems and Platform Cybersecurity Fundamentals

Dr. Bill "Data" Bryant

Systems Security Engineer, Modern Technology Solutions, Inc.

Col William 'Dollar' Young, Jr.

Title, SCASD Consulting

Modern and legacy weapon systems are completely reliant upon cyberspace enabled capabilities to be effective in accomplishing their missions but, cyber-attacks are increasingly calling into question the ability of our principal weapon systems to function effectively in a cyber-contested environment. Traditional attacks against command and control and logistics systems are expected and that fight will take place in the traditional portions of cyberspace, but weapon systems such as aircraft are also full of computing systems that can be attacked. These systems utilize different technology, operating concepts, and timelines that make traditional IT defenses not effective in this space.

This tutorial is aimed at non-cyber focused engineers and engineering managers and will

start by demystifying the cyberspace domain, the way that computing devices actually work, common cyberspace defenses, and some common attacks. The tutorial will describe the advantages of doing cybersecurity analysis earlier in the lifecycle by an overview of a powerful analysis technique. The tutorial will next extend traditional Aircraft Survivability concepts and tools into cyberspace by introducing Aircraft Cyber Combat Survivability that is currently in development. The tutorial will conclude with weapon systems cybersecurity within current acquisition rules.

Dr. Bill "Data" Bryant is a cyberspace defense and risk leader with a diverse background in operations, planning, and strategy. He is a thought leader in the cyber defense of weapon systems and other non-traditional cyber-physical systems with multiple published works coupled with numerous operational and strategic assignments building these capabilities in complex organizations. Dr. Bryant has an unusually diverse background including more than 25 years in the Air Force

where he was a fighter pilot, planner, and strategist. He helped create Task Force Cyber Secure and served as its deputy director; he also served as the Air Force deputy Chief Information Security Officer and developed and successfully implemented numerous proposals and policies to improve the cyber defense of weapon systems.

Col. William "\$" Young, Jr is an accomplished strategist and leader with 28 years in the United States Air Force. He currently serves as the Special Advisor to the US Air Force Warfare Center Commander for Spectrum Warfare. He recently commanded the 53rd Electronic Warfare Group (EWG) at Eglin Air Force Base. The 53 EWG is responsible for the secure development, testing, and distribution for nearly all mission data software supporting USAF combat aircraft. Colonel Young possesses a PhD in Engineering Systems from MIT. Col. Young is also a Military Fellow and consultant for MIT Lincoln Laboratory for the lab's Cyber System Assessments Group.

VENUE MAP

BUILDING KEY

ACADEMIC BUILDINGS

| | |
|-------------------------------------------|-------|
| Bullard Hall (233) | B4 |
| Center for Civil-Military Relations (259) | C2 |
| Dudley Knox Library (339) | A3 |
| Glasgow Hall (302/304/305) | A2 |
| Halligan Hall (234) | A4 |
| Ingersoll Hall (330) | A3 |
| King Hall (237) | B5 |
| ME Lecture Hall (255) | A5 |
| Quad Auditorium (247) | A5 |
| Reed Hall (310) | A3 |
| Root Hall (235) | A3/B4 |
| Spanagel Hall (232) | B5 |
| Watkins Hall (245/246) | A4 |

BASE SERVICES

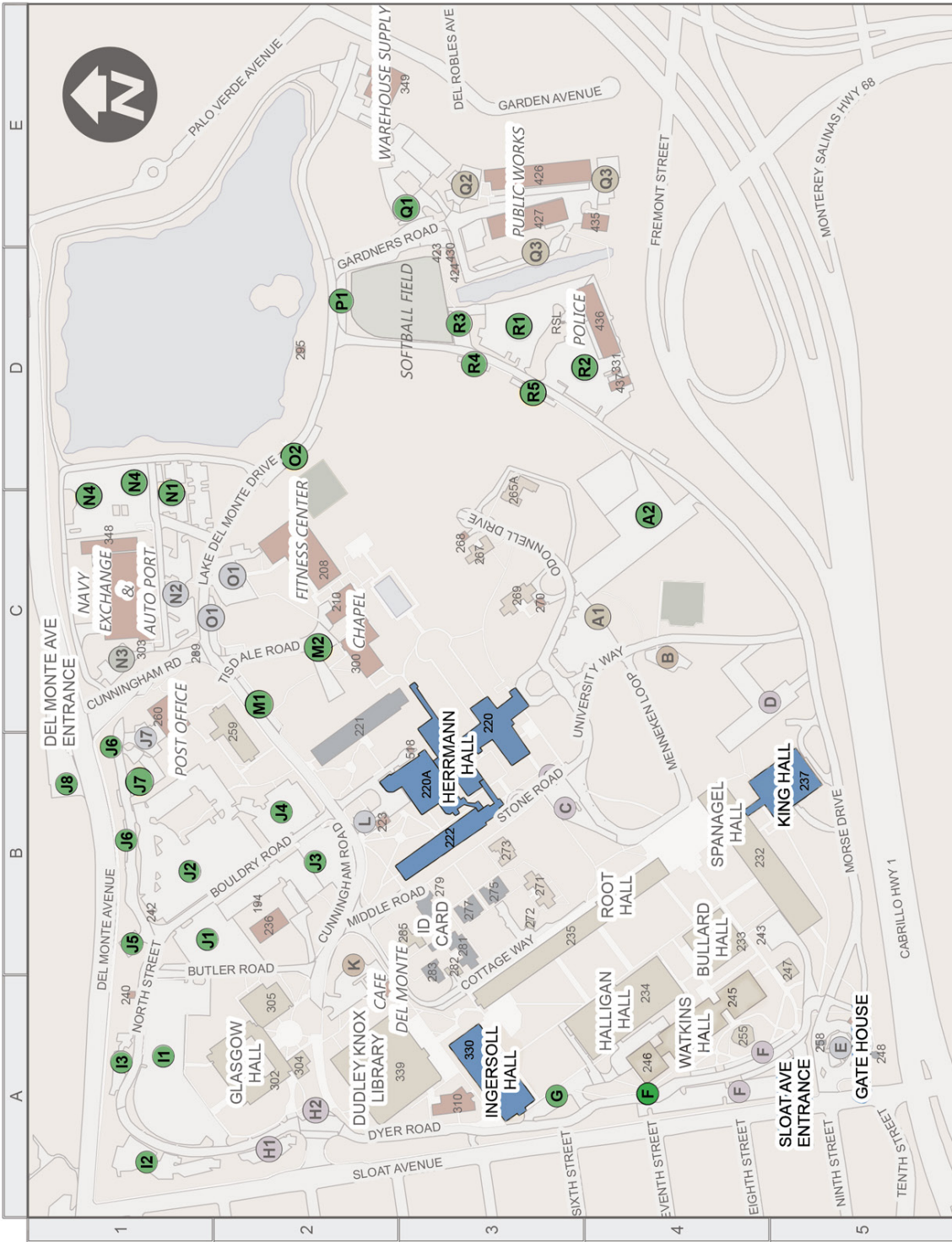
| | |
|-------------------------------|----------|
| Cafe Del Monte (290) | B3 |
| Chapel/Chaplains Office (300) | C2 |
| Dental Clinic (220) | C3 |
| El Prado Dining (220) | C3 |
| Fitness Center (208) | C2 |
| Navy Exchange (NEX, 303) | C1 |
| Navy Exchange Autoport (345) | C1 |
| Police Services (436) | D4 |
| Post Office (280) | C2 |
| PSD (277) | C2 |
| Public Works (426/427) | B3 |
| Recreation Fields/Courts | D3/E3 |
| Tickets & Tours (MWR, 220) | C2/C4/D3 |
| Trident Room Dining (220) | C3 |

ADMINISTRATIVE SERVICES

| | |
|----------------------------|----|
| NSAM Headquarters (271) | B3 |
| Human Resources (220) | C3 |
| ID Card Lab (280) | B3 |
| Main Gate (258) | A5 |
| Registrar (220) | C3 |
| Travel Office (300) | C2 |
| Vehicle Registration (254) | B5 |

LODGING

| | |
|----------------------------|-------|
| International Student BOQ | |
| Herrmann Hall (221/222) | B3/C3 |
| Navy Gateway Inns & Suites | |
| Herrmann Hall (220) | B3 |



NAVAL SUPPORT ACTIVITY MONTEREY Monterey, California

| | |
|----------------------------|----------|
| ALL EMERGENCIES DIAL 9-911 | |
| POLICE SERVICES | 656-2555 |
| PUBLIC WORKS | 656-2526 |
| POST OFFICE | 656-1734 |
| CHapel OFFICE | 333-2241 |
| NPS QUARTERDECK | 656-2441 |
| VEHICLE PASSID. | 656-3477 |
| TRIDENT ROOM DINING | 656-3223 |
| TICKET & TOURS (MWR) | 656-3223 |
| LEGAL OFFICE | 656-2506 |
| NAVY EXCHANGE | 373-7277 |
| NSAM HEADQUARTERS | 656-2279 |
| NAVY GATEWAY INNS & SUITES | 656-2060 |

ALL AREA CODE PREFIXES (831)

PARKING KEY

- Open Parking
 - Carpool/HOV
 - Permit
 - Timed
 - Restricted
- *Motorcycle Parking is located near Lot F, Lot C, and Lot K
- **Some lots have mixed parking
- Head signage.

AUGUST 2017
POC: Laura Horton NSAM PWD



GIVING THE ARMY AN EDGE

The U.S. Army seeks its next-generation aircraft and the AVX Aircraft and L3Harris compound, coaxial helicopter (CCH) answers all requirements with a mindset to exceed. Our cutting-edge technologies provide faster, lighter and more lethal capability.

Designed to defeat tomorrow's threats.

#FARACCH
Lethal. Survivable. Affordable.

AVX
AIRCRAFT COMPANY

 **L3HARRIS**™

AVXAIRCRAFT.COM

2020 AIRCRAFT AD

